

Customer No.: 31561  
Application No.: 10/064,266  
Docket NO.:7554-US-PA

### **Claim Amendment**

1. (currently amended) A method for fabricating a flash memory, comprising the steps of:  
forming a stacked gate structure and a source/drain on a substrate;  
forming an inter-layer dielectrics on the substrate; and  
forming a plurality of inter-metal dielectric layers on the substrate, wherein  
at least one layer among the inter-layer dielectrics and the inter-metal dielectric layers has a  
silicon carbide layer of about 100Å to about 1000Å thick formed thereon to absorb UV  
irradiation.
2. (canceled)
3. (original) The method of claim 1, wherein a thickness of the silicon carbide layer ranges  
from about 300Å to about 500Å.
4. (original)The method of claim 1, wherein forming the stacked gate structure comprises:  
forming a composite dielectric layer on the substrate;  
forming a gate conductive layer on the composite dielectric layer; and  
patterning the gate conductive layer and the composite dielectric layer.
5. (original) The method of claim 4, wherein the composite dielectric layer comprises a  
tunnel oxide layer, a silicon nitride layer, and a silicon oxide layer.
6. (original) The method of claim 4, wherein the gate conductive layer comprises a doped  
polysilicon layer and a metal silicide layer.

Customer No.: 31561  
Application No.: 10/064,266  
Docket NO.:7554-US-PA

7. (original) The method of claim 4, wherein the method for forming the gate conductive layer comprises chemical vapor deposition (CVD).

8. (currently amended) A method for fabricating a flash memory, comprising the steps of:  
forming a stacked gate structure and a source/drain on a substrate;  
forming an inter-layer dielectrics on the substrate; and  
forming a silicon carbide layer of about 100Å to about 1000Å thick on the inter-layer dielectrics for absorbing UV irradiation.

9. (canceled)

10. (original) The method of claim 8, wherein a thickness of the silicon carbide layer ranges from about 300Å to about 500Å.

11. (original) The method of claim 8, wherein forming the stacked gate structure comprises:

forming a silicon oxide/silicon nitride/silicon oxide (ONO) composite layer on the substrate;

forming a gate conductive layer on the ONO composite layer; and

patterning the gate conductive layer and the ONO composite layer.

12. (original) The method of claim 11, wherein the gate conductive layer comprises a doped polysilicon layer and a metal silicide layer.

13. (currently amended) A method for fabricating a flash memory, comprising the steps of:

forming a stacked gate structure and a source/drain on a substrate;

forming an inter-layer dielectrics on the substrate;

Customer No.: 31561  
Application No.: 10/064,266  
Docket NO.:7554-US-PA

forming a contact in the inter-layer dielectrics;  
forming a metal interconnection on the inter-layer dielectrics;  
forming an inter-metal dielectrics on the substrate; and  
forming a first silicon carbide layer of about 100Å to about 1000Å thick on the inter-metal dielectrics for absorbing UV irradiation.

14. (canceled)

15. (canceled)

16. (canceled)

17. (original) The method of claim 13, wherein forming the stacked gate structure comprises:

forming a silicon oxide/silicon nitride/silicon oxide (ONO) composite layer on the substrate;

forming a gate conductive layer on the ONO composite layer; and

patterning the gate conductive layer and the ONO composite layer.

18. (original) The method of claim 17, wherein the gate conductive layer comprises a doped polysilicon layer and a metal silicide layer.

19. (original) The method of claim 18, wherein the metal silicide layer comprises a tungsten silicide layer.

20. (original) The method of claim 17, wherein the method for forming the gate conductive layer comprises chemical vapor deposition (CVD).

Customer No.: 31561  
Application No.: 10/064,266  
Docket NO.:7554-US-PA

21(previously presented) The method of claim 13, further comprising forming a second silicon carbide layer on the inter-layer dielectrics before the contact is formed in the inter-layer dielectrics.

22. (previously presented) The method of claim 21, wherein a thickness of the second silicon carbide layer ranges from about 300 Å to about 500Å.

Customer No.: 31561  
Application No.: 10/064,266  
Docket NO.: 7554-US-PA

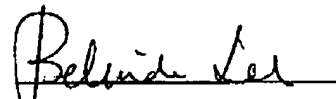
### CONCLUSION

For at least the foregoing reasons, it is believed that the presently pending claims 1, 3-8, 10-13, 16-22 are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Date :

July 19, 2004

Respectfully submitted,

  
Belinda Lee

Registration No.: 46,863

Jianq Chyun Intellectual Property Office  
7<sup>th</sup> Floor-1, No. 100  
Roosevelt Road, Section 2  
Taipei, 100  
Taiwan  
Tel: 011-886-2-2369-2800  
Fax: 011-886-2-2369-7233  
Email: [belinda@jicigroup.com.tw](mailto:belinda@jicigroup.com.tw)  
[Usa@jicigroup.com.tw](mailto:Usa@jicigroup.com.tw)